

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/533,589
(Use as many sheets as necessary)		Filing Date	2003-11-17
		First Named Inventor	PROCTOR; James A. Jr.,
		Art Unit	2617
		Examiner Name	Michael Their
Sheet	1	of	3
Attorney Docket No: 080588			

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2/3</sup> (known)			
	001	US5095528	03-10-1992	LESLIE; Samuel A., et al.	
	002	US5767788	06-16-1998	NESS; James C.	
	003	US20010040699	11-15-2001	OSAWA; Hidefumi, et al.	
	004	US20010050580	12-13-2001	O'toole; James E., et al.	
	005	US20020119783	08-29-2002	BOURLAS; Yair, et al.	
	006	US20020159506	10-31-2002	ALAMOUTI; Siavash, et al.	
	007	US20040208258	10-21-2004	LOZANO; Angel, et al.	
	008	US20040235417	11-25-2004	DEAN; Richard F.	
	009	US20040248581	12-09-2004	SEKI; Hiroyuki, et al.	

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> - Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			
	010	JP05063623	03-12-1993	NEC CORP.	_____
	011	JP06334577	12-02-1994	NIPPON TELEGRAPH & TELEPHONE.	_____
	012	JP07030473	01-31-1995	NIPPON TELEGRAPH & TELEPHONE.	_____

EXAMINER SIGNATURE /Michael Thier/

DATE CONSIDERED 01/18/2011

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  Applicant's unique citation designation number (optional).  See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.  Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).  For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.  Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.  Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MT/

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449/PTO		<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/533,589
(Use as many sheets as necessary)		Filing Date	2003-11-17
		First Named Inventor	PROCTOR, James A. Jr.,
		Art Unit	2617
		Examiner Name	Michael Their
Sheet	2	of	3
Attorney Docket No: 080588			

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	013	JP07079205	03-20-1995	NIPPON TELEGRAPH & TELEPHONE		<input checked="" type="checkbox"/>
	014	JP2000269873	09-29-2000	KOKUSAI ELECTRIC CO LTD.		<input checked="" type="checkbox"/>
	015	WO0152447	07-19-2001	ANDREW CORP [US], et al.		<input type="checkbox"/>
	016	WO0182512A1	11-01-2001	KOREA TELECOM FREETEL CO LTD [KR], et al.		<input type="checkbox"/>
	017	WO03013005A2	02-13-2003	SPOTWAVE WIRELESS INC [CA]		<input type="checkbox"/>
	018	WO9959264A2	11-18-1999	NOKIA NETWORKS OY [FI], et al.		<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>

## NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

EXAMINER SIGNATURE /Michael Thier/

DATE CONSIDERED 01/18/2011

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. **1** Applicant's unique citation designation number (optional). **2** See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. **3** Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). **4** For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. **5** Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. **6** Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MT/